ABSTRACT

A computer-implemented database and method providing an
efficient, ordered reduced space representation of multi-
5   dimensional data. The data values for each attribute is
stored in a manner that provides an advantage in, for
example, space usage and/or speed of access, such as in sort
order and/or condensed form. Instances of each data value
for an attribute are identified by instance elements, each of
10 which is associated with one data value. Connectivity
information is provided for each instance element that
uniquely associates each instance element with a specific
instance of a data value for another attribute.

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